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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/766,816	01/30/2004	Nobumasa Suzuki	03599.000093.	3133
5514 75	90 01/04/2006		EXAM	INER
	K CELLA HARPER &	LUND, JEFFRIE ROBERT		
30 ROCKEFELLER PLAZA NEW YORK, NY 10112			ART UNIT	PAPER NUMBER
•			1763	

DATE MAILED: 01/04/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

· · · · · ·					
		Application No.	Applicant(s)		
		10/766,816	SUZUKI, NOBUMASA		
	Office Action Summary	Examiner	Art Unit		
		Jeffrie R. Lund	1763		
Period fo	The MAILING DATE of this communication app or Reply	ears on the cover sheet with the c	orresponaence address		
A SH WHIC - Exter after - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING DAIS insions of time may be available under the provisions of 37 CFR 1.13 SIX (6) MONTHS from the mailing date of this communication. Operiod for reply is specified above, the maximum statutory period were to reply within the set or extended period for reply will, by statute, reply received by the Office later than three months after the mailing end patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim vill apply and will expire SIX (6) MONTHS from the cause the application to become ABANDONE	L. ely filed the mailing date of this communication. O (35 U.S.C. § 133).		
Status					
1)⊠	Responsive to communication(s) filed on <u>07 De</u>	<u>ecember 2005</u> .			
~=	This action is FINAL . 2b)⊠ This action is non-final.				
3)[Since this application is in condition for allowance except for formal matters, prosecution as to the merits is				
	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.				
Dispositi	ion of Claims		i		
5)⊠ 6)⊠ 7)□	Claim(s) 1-6 and 20 is/are pending in the applic 4a) Of the above claim(s) is/are withdraw Claim(s) 1-6 is/are allowed. Claim(s) 20 is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restriction and/or	vn from consideration.			
Applicati	on Papers				
_	The specification is objected to by the Examiner	r.			
· · · · · · · · · · · · · · · · · · ·	The drawing(s) filed on <u>30 January 2004</u> is/are:		to by the Examiner.		
	Applicant may not request that any objection to the o	drawing(s) be held in abeyance. See	37 CFR 1.85(a).		
11)[Replacement drawing sheet(s) including the correction. The oath or declaration is objected to by the Example 1.	* * * * * * * * * * * * * * * * * * * *	• •		
Priority u	ınder 35 U.S.C. § 119				
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 					
2) Notic 3) Inform	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) r No(s)/Mail Date 10/05.	4) Interview Summary (Paper No(s)/Mail Da 5) Notice of Informal Pa 6) Other:	te		

Application/Control Number: 10/766,816 Page 2

Art Unit: 1763

DETAILED ACTION

Allowable Subject Matter

- 1. The indicated allowability of claim 20 is withdrawn in view of the newly discovered reference to Lubomirsky, US Patent 6,592,709 B1. A rejection based on the newly cited reference follows. The finality of the action mailed October 26, 2005 is withdrawn.
- 2. Claims 1-6 are allowed.
- 3. The following is an examiner's statement of reasons for allowance:
 - a. The arrangement of the object, gas introducing part, and exhaust mechanism as claimed in claim 1, specifically, a mechanism that arranges the object in a flow of the gas such that the object is (i) closer to the gas introducing part than to a plasma generating region and (ii) between the gas introducing part and the plasma generating region in the flow of the gas; and an exhaust mechanism, which is arranged closer to the plasma generating region than to the object, for exhausting the gas was not found in or suggested by the art.

The bulk of the prior art, such as JP 9-64024 supplied in the IDS of October 13, 2005, teach a structure that induces a flow of gas from the inlet 7, to the plasma generating region 1, to the holding mechanism 8, and finally to the exhaust mechanism 10. In contrast to the structure noted above which produces a flow from the gas inlet to the holding mechanism, to the plasma generating region, and finally to the exhaust mechanism. The newly cited art (Lubomirsky) does not teach that the object (substrate) supported on holder 222 is between the gas introducing part 301 and the plasma

Art Unit: 1763

generating region 307, and closer to the gas introducing part than to the plasma generating region.

Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 5. Claim 20 is rejected under 35 U.S.C. 102(b) as being anticipated by Lubomirsky, US Patent 6,592,709 B1.

Lubomirsky teaches an apparatus 202 that includes: a processing chamber 307 in which an object to be processed mounted on a holding mechanism 222 located upstream of a plasma formed by a plasma generating coil 228 and in the flow 605 of the gas (see figure 6); a gas introducing part 301 for introducing gas into the processing chamber; and an exhaust mechanism 300 for exhausting gases from the processing chamber. (Entire document)

Conclusion

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The cited art teaches the technological background of the invention.

Application/Control Number: 10/766,816 Page 4

Art Unit: 1763

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jeffrie R. Lund whose telephone number is (571) 272-

1437. The examiner can normally be reached on Monday-Thursday (6:30 am-6:00pm).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Parviz Hassanzadeh can be reached on (571) 272-1435. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Jeffrie R. Lund Primary Examiner Art Unit 1763

JRL 12/27/05